I claim:

1

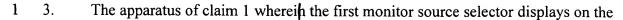
An apparatus comprising:

CLAIMS

2	a first video monitor;	
3.	a second video monitor;	
4	a vehicle interface for receiving a plurality of control signals from a vehicle;	
5	a plurality of video cameras that each provide a video output; and	
6	a video switching mechanism coupled to the first video monitor, the second	video
7	monitor, the vehicle interface and the plurality of video cameras, the video switchin	g
8	mechanism comprising:	
9	a first monitor source selector that determines which video output of	the
10	plurality of video cameras to display on the first video monitor;	
11	a first default source specification that determines which video outpu	t of
12	the plurality of video camera, to display on the first video monitor when no	
13	control signals are active on the vehicle interface;	
14	a second monitor source selector that determines which video output	of the
15	plurality of video cameras to display on the second video monitor independe	nt of
16	the video output displayed on the first video monitor; and	
17	a second default source specification that determines which video ou	tput
18	of the plurality of video cameras to display on the second video monitor.	
1	2. The apparatus of claim 1 further comprising a user interface that allows a use	er to

2

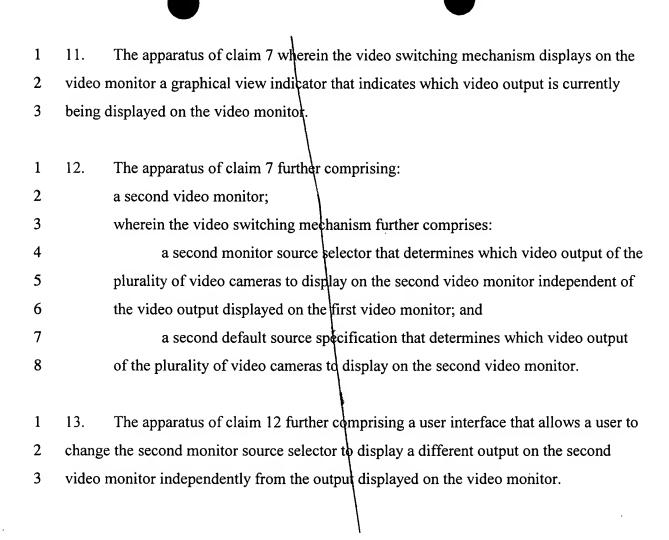
modify the first default source specification and the second default source specification.



- 2 first video monitor a video output of a video camera disposed to provide a view of the left
- 3 side of the vehicle in response to a left turn signal on the vehicle being activated on the
- 4 vehicle interface.
- 1 4. The apparatus of claim 1 wherein the first monitor source selector displays on the
- 2 first video monitor a video output of a video camera disposed to provide a view of the
- 3 right side of the vehicle in response to a right turn signal on the vehicle being activated on
- 4 the vehicle interface.
- 1 5. The apparatus of claim 1 wherein the first monitor source selector displays on the
- 2 first video monitor a video output of a video camera disposed to provide a rear view of
- 3 the vehicle in response to a signal on the vehicle being activated on the vehicle interface
- 4 that indicates that the vehicle is in reverse.
- 1 6. The apparatus of claim 1 wherein the video switching mechanism displays on the
- 2 first video monitor a graphical view indicator that indicates which video output is
- 3 currently being displayed on the first video monitor.

1	7. An apparatus comprising:		
2	a video monitor; \		
3	a vehicle interface for receiving a plurality of control signals from a vehicle;		
4	a plurality of video cameras that each provide a video output; and		
5	a video switching mechanism coupled to the video monitor, the vehicle interface,		
6	and the plurality of video cameras, the video switching mechanism comprising:		
7	a source selector that determines which video output of the plurality of		
8	video cameras to display on the video monitor;		
9	a default source specification that determines which video output of the		
10	plurality of video cameras to display on the first monitor when no control signals		
11	are active on the vehicle interface; and		
12	a user interface that allows a user to change the default source		
13	specification.		
1	8. The apparatus of claim 7 wherein the source selector displays on the video		
2	monitor a video output of a video camera disposed to provide a view of the left side of th		
3	vehicle in response to a left turn signal on the vehicle being activated on the vehicle		
4	interface.		
1	9. The apparatus of claim 7 wherein the source selector displays on the video		
2	monitor a video output of a video camera disposed to provide a view of the right side of		
3	the vehicle in response to a right turn signal on the vehicle being activated on the vehicle		
4	interface.		
1	10. The apparatus of claim 7 wherein the source selector displays on the video		
2	monitor a video output of a video camera disposed to provide a rear view of the vehicle		
3	response to a signal on the vehicle being activated on the vehicle interface that indicates		

that the vehicle is in reverse.





1	14. An apparatus compr	ising:
2	a video monitor;	
3	a vehicle interface for	or receiving a plurality of control signals from a vehicle;
4	a plurality of video	ameras that each provide a video output; and
5	a video switching m	echanism coupled to the video monitor, the vehicle interface,
6	and the plurality of video ca	meras, the video switching mechanism comprising:
7	a source sele	ctor that determines which video output of the plurality of
8	video cameras to dis	play on the video monitor; and
9	a view indica	ator mechanism that displays a graphical view indicator on the
0	video monitor that in	ndicates which video output is currently being displayed on
1	the video monitor.	
1	15. The apparatus of cla	im 14 wherein the source selector displays on the video
2	monitor a video output of a	video camera disposed to provide a view of the left side of the
3	vehicle in response to a left	turn signal on the vehicle being activated on the vehicle
4	interface.	
1	16. The apparatus of cla	im 14 wherein the source selector displays on the video
2	monitor a video output of a	video camera disposed to provide a view of the right side of
3	the vehicle in response to a	right turn signal on the vehicle being activated on the vehicle
4	interface.	

- 1 17. The apparatus of claim 14 wherein the source selector displays on the video
- 2 monitor a video output of a video camera disposed to provide a rear view of the vehicle in
- 3 response to a signal on the vehicle being activated on the vehicle interface that indicates
- 4 that the vehicle is in reverse.



3

- 1 18. The apparatus of claim 14 wherein the video switching mechanism displays on the
- 2 video monitor a graphical view indicator that indicates which video output is currently
 - being displayed on the video monitor.

1	19.	An apparatus comprising:
2		a first video monitor mounted in the view of a driver of a vehicle;
3		a second video monitor mounted in the interior of the vehicle;
4		a vehicle interface for receiving a plurality of control signals from the vehicle;
5		a plurality of video cameras coupled to the vehicle that each provide a video
6	output	t; and
7		a video switching mechanism coupled to the first video monitor, the second video
8	monit	or, the vehicle interface and the plurality of video cameras, the video switching
9	mecha	anism comprising:
10		a first monitor source selector that determines which video output of the
11		plurality of video cameras to display on the first video monitor;
12		a first default source specification that determines which video output of
13		the plurality of video cameras to display on the first video monitor when no
14		control signals are active on the vehicle interface;
15		a second monitor source selector that determines which video output of the
16		plurality of video cameras to display on the second video monitor independent of
17		the video output displayed on the first video monitor; and
18		a second default source specification that determines which video output
19		of the plurality of video cameras to display on the second video monitor;
20		a user interface that allows a user to modify the first default source
21		specification and the second default source specification;
22		wherein the first monitor source selector displays on the first video
23		monitor a video output of a video camera disposed to provide a view of the left
24		side of the vehicle in response to a left turn signal on the vehicle being activated
25		on the vehicle interface;
26		wherein the first monitor source selector displays on the first video
27		monitor a video output of a video camera disposed to provide a view of the right
28		side of the vehicle in response to a right turn signal on the vehicle being activated
29		on the vehicle interface;



(claim 19 continued)

wherein the first monitor source selector displays on the first video monitor a video output of a video camera disposed to provide a rear view of the vehicle in response to a signal on the vehicle being activated on the vehicle interface that indicates that the vehicle is in reverse;

wherein the video switching mechanism displays on the first video monitor a graphical view indicator that indicates which video output is currently being displayed on the first video monitor.

2 cameras mounted on a veh
3 interface, the method comp
4 providing a first de
5 displayed on the video mon
6 interface;
7 providing a user int

1

8

9

10

11

12

13

14

15

1

2

3

4

20. A method for displaying on a video monitor the outputs of a plurality of video cameras mounted on a vehicle according to control signals received on a vehicle interface, the method comprising the steps of:

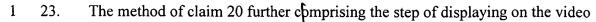
providing a first default source specification that determines which output is displayed on the video monitor when no control signals are present on the vehicle interface;

providing a user interface that allows a user to define a second default source specification that determines which output is displayed on the video monitor when no control signals are present on the vehicle interface;

when no control signals are present on the vehicle interface and the user has not specified a default source specification via the user interface, displaying the output determined by the first default source specification; and

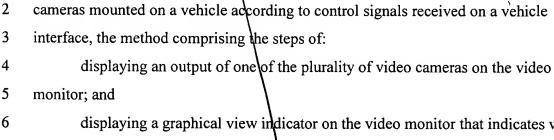
when no control signals are present on the vehicle interface and the user has specified a second default source specification via the user interface, displaying the output specified by the second default source specification.

- 21. The method of claim 20 further comprising the step of displaying on the video monitor a video output of a video camera disposed to provide a view of the left side of the vehicle in response to a left turn signal on the vehicle being activated on the vehicle interface.
- The method of claim 20 further comprising the step of displaying on the video monitor a video output of a video camera disposed to provide a view of the right side of the vehicle in response to a right turn signal on the vehicle being activated on the vehicle
- 4 interface.



- monitor a video output of a video camera disposed to provide a rear view of the vehicle in 2
- 3 response to a signal on the vehicle being activated on the vehicle interface that indicates
- that the vehicle is in reverse. 4
- 24. The method of claim 20 further comprising the step of displaying on the video 1
- 2 monitor a graphical view indicator that indicates which video output is currently being
- 3 displayed on the video monitor.





displaying a graphical view indicator on the video monitor that indicates which video output is currently being displayed on the video monitor.

A method for displaying on a video monitor the outputs of a plurality of video

- 1 26. The method of claim 25 further comprising the step of displaying on the video 2 monitor a video output of a video camera disposed to provide a view of the left side of the 3 vehicle in response to a left turn signal on the vehicle being activated on the vehicle 4 interface.
- The method of claim 25 further comprising the step of displaying on the video 1 27. 2 monitor a video output of a video camera disposed to provide a view of the right side of 3 the vehicle in response to a right turn signal on the vehicle being activated on the vehicle 4 interface.
- 1 28. The method of claim 25 further comprising the step of displaying on the video 2 monitor a video output of a video camera disposed to provide a rear view of the vehicle in 3 response to a signal on the vehicle being activated on the vehicle interface that indicates 4 that the vehicle is in reverse.

1

7

25.

28

1	29. A method for displaying on a video monitor in a vehicle the outputs of a plurality	
2	of video cameras mounted on the vehicle according to control signals received on a	
3	vehicle interface, the method comprising the steps of:	
4	providing a first default source specification that determines which output is	
5	displayed on the video monitor when no control signals are present on the vehicle	
6	interface;	
7	providing a user interface that allows a user to define a second default source	
8	specification that determines which output is displayed on the video monitor when no	
9	control signals are present on the vehicle interface;	
10	when no control signals are present on the vehicle interface and the user has not	
11	specified a default source specification via the user interface, displaying the output	
12	determined by the first default source specification;	
13	when no control signals are present on the vehicle interface and the user has	
14	specified a second default source specification via the user interface, displaying the	
15	output specified by the second default source specification;	
16	when a left turn signal is active on the vehicle interface, displaying on the video	
17	monitor a video output of a video camera disposed to provide a view of the left side of the	
18	vehicle;	
19	when a right turn signal is active on the vehicle interface, displaying on the video	
20	monitor a video output of a video camera disposed to provide a view of the right side of	
21	the vehicle;	
22	when a signal on the vehicle interface that indicates that the vehicle is in reverse is	
23	active, displaying on the video monitor a video output of a video camera disposed to	
24	provide a rear view of the vehicle;	
25	displaying on the video monitor a graphical view indicator that indicates which	
26	video output is currently being displayed on the video monitor; and	
27	displaying on a second video monitor an output of a video camera independently	

of the display on the video monitor.